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wherein:

n, m and p are each independently 0 or 1,

each R' is independently H, lower alkyl, hydroxyalkyl (C2-C4), or alkoxyalkyl (C2-

 C_4);

each R is independently H or R", where R" is substituted or unsubstituted lower alkyl or phenyl not comprising a thiol group;

one R or R' is L, wherein when an R' is L, -NR'2 is an amine; and

L is a bivalent linking group linking the chelator to the targeting moiety.

Amend claim 5 to read:

5 (twice amended). A reagent according to claim 4, wherein the metal chelator has a formula:



$$Z-L$$
 N
 H
 NH_2
 HS
 R^4
 O
 NH
 NH_2
 HS
 R^1

wherein:

 R^1 and R^2 are each independently H, lower alkyl, hydroxyalkyl (C_2 - C_4) or alkoxyalkyl (C_2 - C_4);